



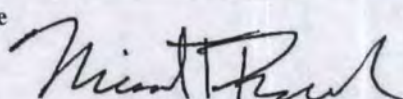
## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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## DATA MATRIX

Date	August 2, 2012	EPA Reg. No./File Symbol	82012-1	Page 1 of 6	
Applicant's/Registrant's Name & Address:		Product			
Copper Development Association, Inc. 260 Madison Avenue New York, New York 10016		Antimicrobial Copper Alloys Group I			
Ingredient <b>Copper as elemental (PC Code 22501)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY:</b>					
830.1550	Product Identity and Composition	46999601 47259401	Copper Development Association	OWN	
830.1600	Description of Materials Used to Produce the Product	46999601	Copper Development Association	OWN	
830.1620	Description of Production Process	46999601	Copper Development Association	OWN	
830.1650	Description of Formulation Process	46999601	Copper Development Association	OWN	
830.1670	Discussion of Formation of Impurities	46999601	Copper Development Association	OWN	
830.1700	Preliminary Analysis	46999601 47160602	Copper Development Association	OWN	
830.1750	Certification of Limits	This Submission	Copper Development Association	OWN	
830.1800	Enforcement Analytical Methods	46999601	Copper Development Association	OWN	
830.1900	Submittal of Samples	46999601	Copper Development Association		Upon Request
830.6302	Color	46999602 47160601	Copper Development Association	OWN	
830.6303	Physical State	46999602 47160601	Copper Development Association	OWN	
Signature 			Name and Title <b>Micah T. Reynolds,</b> Regulatory Consultant		Date <b>August 2, 2012</b>





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			Copper Development Association		Upon Request
			Copper Development Association	OWN	
			Copper Development Association	OWN	
Signature	Micah T. Reynolds			Name and Title	Date
				Micah T. Reynolds, Regulatory Consultant	August 2, 2012





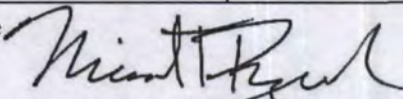
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Ingredient Copper as elemental (PC Code 22501)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY (Cont.):</b>					
830.6304	Odor	46999602 47160601	Copper Development Association	OWN	
830.6314	Oxidizing or Reducing Action	46999602 47160601	Copper Development Association	OWN	
830.6315	Flammability	46999602 47160601	Copper Development Association	OWN	
830.6316	Explosibility	46999602 47160601	Copper Development Association	OWN	
830.6317	Storage Stability	46999602 47160601	Copper Development Association	OWN	
830.6319	Miscibility	46999602 47160601	Copper Development Association	OWN	
830.6320	Corrosion Characteristics	46999602 47160601	Copper Development Association	OWN	
830.6321	Dielectric Breakdown Voltage	46999602 47160601	Copper Development Association	OWN	
830.7000	pH	46999602 47160601	Copper Development Association	OWN	
830.7100	Viscosity	46999602 47160601	Copper Development Association	OWN	
830.7300	Density, Bulk Density or Specific Gravity	46999602 47160601	Copper Development Association	OWN	
Signature 			Name and Title Micah T. Reynolds, Regulatory Consultant		Date August 2, 2012





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Micah T. Reynolds	Micah T. Reynolds, Regulatory Consultant			August 2, 2012	





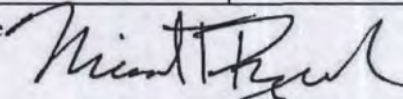
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>TOXICOLOGY:</b>					
870.1100	Acute Oral Toxicity: Rat	46999603	Copper Development Association	OWN	
870.1200	Acute Dermal Toxicity: Rat	46999603	Copper Development Association	OWN	
870.1300	Acute Inhalation Toxicity: Rat	46999603	Copper Development Association	OWN	
870.2400	Primary Eye Irritation: Rabbit	46999603	Copper Development Association	OWN	
870.2500	Primary Dermal Irritation	46999603	Copper Development Association	OWN	
870.2600	Dermal Sensitization	46999603	Copper Development Association	OWN	
870.3100	90-Day Oral Toxicity	46999603	Copper Development Association	OWN	
870.3150	90-Day Oral Toxicity – Nonrodent	46999603	Copper Development Association	OWN	
870.3250	90-Day Dermal Toxicity	46999603	Copper Development Association	OWN	
870.3700	Teratology – Rats	46999603	Copper Development Association	OWN	
870.3700	Teratology – Rabbits	46999603	Copper Development Association	OWN	
Signature 			Name and Title Micah T. Reynolds, Regulatory Consultant		Date August 2, 2012





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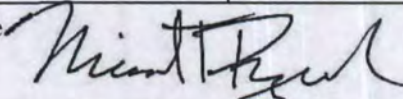
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<b>TOXICOLOGY (Cont.):</b>					
870.3800	Reproduction and Fertility Effects	46999603	Copper Development Association	OWN	
870.4100	Chronic Oral/Feeding Study	46999603	Copper Development Association	OWN	
870.5100	Bacterial Reverse Mutation (Ames) Test	46999603	Copper Development Association	OWN	
870 Genotoxicity Series	Other Mutagenicity	46999603	Copper Development Association	OWN	
870.7485	Metabolism and Pharmacokinetics - Rat	46999603	Copper Development Association	OWN	
Signature	Name and Title			Date	
	Micah T. Reynolds, Regulatory Consultant			August 2, 2012	






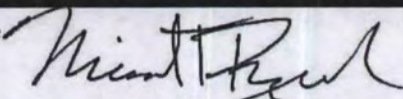
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Signature			Name and Title Micah T. Reynolds, Regulatory Consultant		Date August 2, 2012





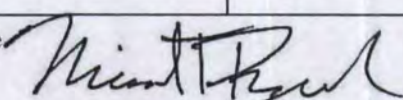
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Ingredient Copper as elemental (PC Code 22501)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>EFFICACY:</b>					
810.2300	Hard Surface Sanitizer Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999604 46999612 46999617	Copper Development Association	OWN	
810.2300	Hard Surface Sanitizer Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999607 46999614 47184601	Copper Development Association	OWN	
810.2300	Hard Surface Sanitizer Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859301 47859302	Copper Development Association	OWN	
810.2300	Residual Self-Sanitizer Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999604 46999605 46999613	Copper Development Association	OWN	
810.2300	Residual Self-Sanitizer Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999608 46999615	Copper Development Association	OWN	
810.2300	Residual Self-Surface Sanitizer Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859303 47859304	Copper Development Association	OWN	
Signature 			Name and Title Micah T. Reynolds, Regulatory Consultant		Date August 2, 2012





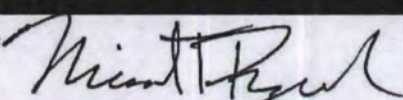
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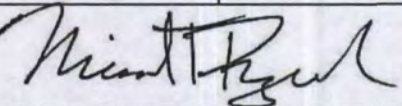
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<b>EFFICACY (Cont.):</b>					
810.2300	Repeat Challenge Assay: <i>S. aureus</i> (ATCC 6538); <i>E. aerogenes</i> (ATCC 13048)	46999606 46999610	Copper Development Association	OWN	
810.2300	Repeat Challenge Assay: <i>MRS. aureus</i> (ATCC 33592); <i>E. coli</i> (ATCC 35150); <i>P. aeruginosa</i> (ATCC 15442)	46999609 46999611 46999616	Copper Development Association	OWN	
810.2300	Repeat Challenge Assay: <i>VRE. Faecalis</i> (ATCC 51575)	47859305 47859306	Copper Development Association	OWN	
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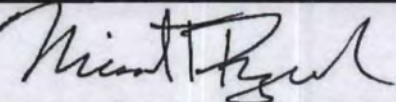


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